

CLAIMS

What is claimed is:

- 5 1. A portable communication network comprising: plural portable communications units, each providing: (a) a unit code, (b) a wave energy transceiver enabled for direct communication with any other one of the communications units over a limited range, (c) means for assigning a target code to each signal transmission, (d) means for detecting the target code in each signal reception, (e) means for processing a received signal when the target code of the received signal equals the unit code, and (f) means for retransmitting a received signal when the target code of the received signal differs from the unit code; whereby, through signal repeating, communication is enabled between any two of the communications units when their separation is greater than the limited range.
- 10
- 15 2. The portable communication network of Claim 1 wherein each of the units further comprises means for assigning route codes to each of the retransmitted received signals.
3. The portable communication network of Claim 1 wherein each of the units further comprises means for assigning the unit code to each signal transmission.
- 20
4. The network of Claim 2 wherein each of the units is further enabled for assigning a selected route code to a transmission subsequent to a previous transmission having the selected route code.
- 25 5. The network of Claim 1 wherein at least one of the units is further enabled for fixed-wire communication.

[illegible]